

FIG. 2

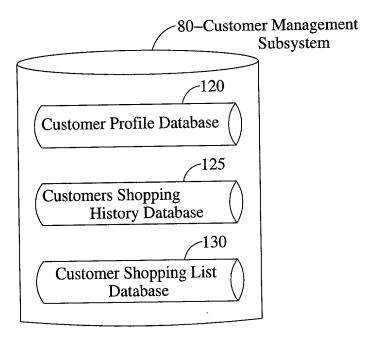


FIG. 3

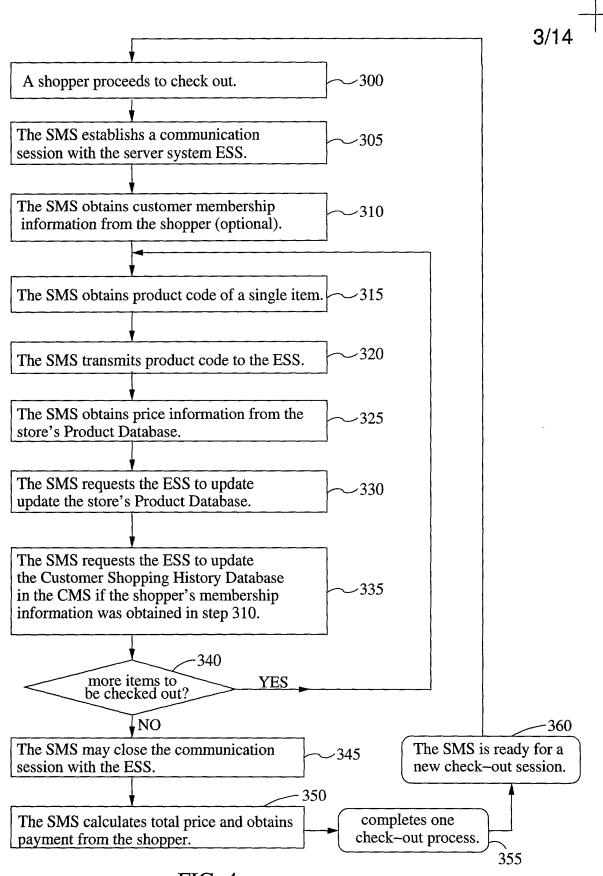


FIG. 4

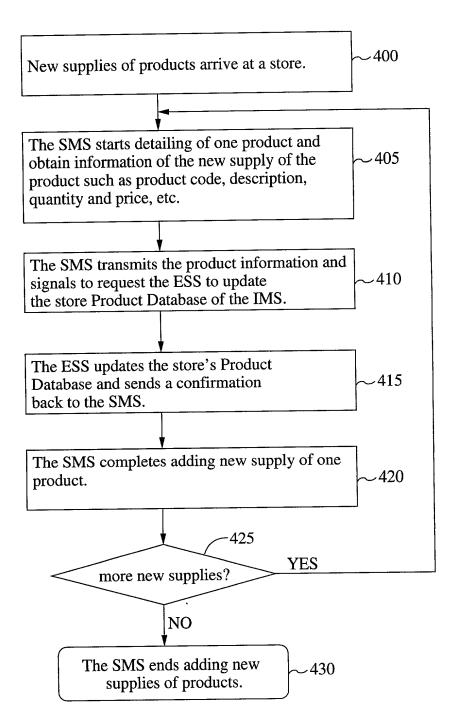


FIG. 5

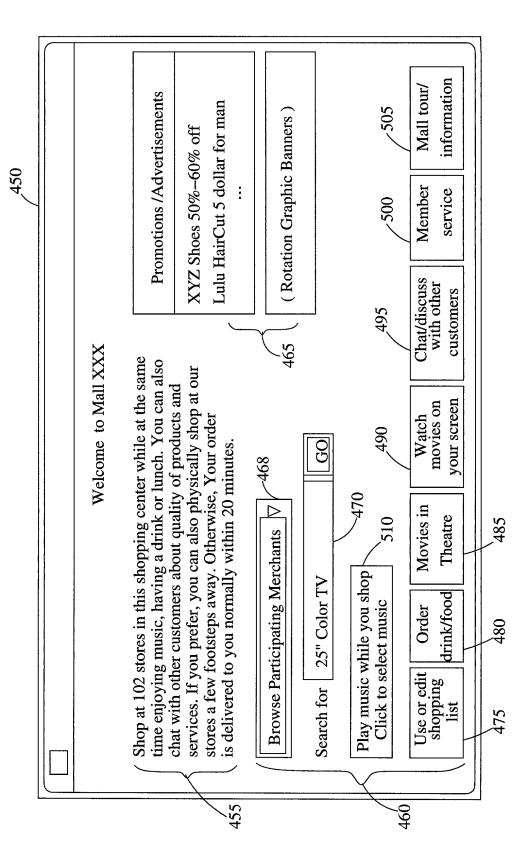


FIG. 6

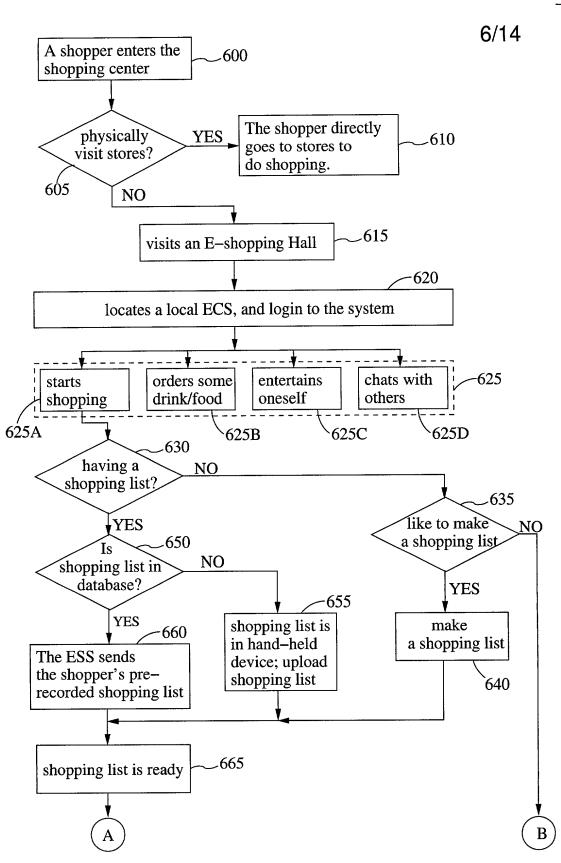


FIG. 7A

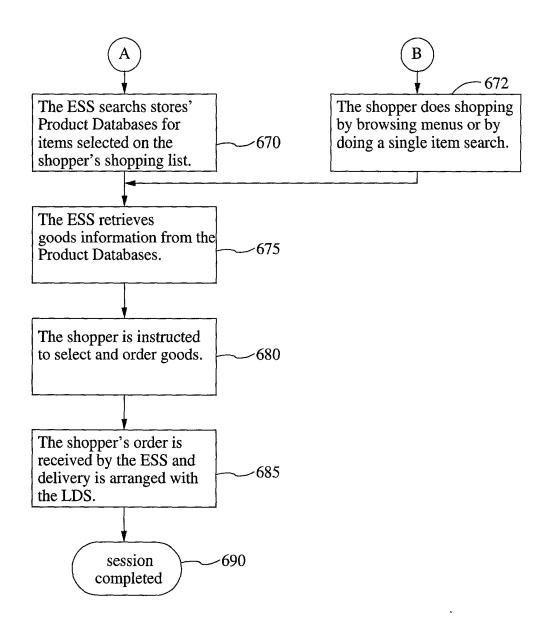


FIG. 7B

700

You have entered the following items on your list:

	When added 705	Item Description 710	Quantity 715	Select? 720
	04/09/00	man's shoe, size 7, sports	1 pair	Ø confirmed
	04//11/00	book, "How to Invest"	1	○ confirmed
	04/12/00	TV, 25"	1	⊘ confirmed
_	04/12/00	apple	1 pound	○ confirmed

CONTINUE

(click the button to confirm your selections and continue ...)

FIG. 8A

Search results of your selected items.
Available delivery options:

A. Cell 123, where I am using the computer
B. Locker number 1423
C. Home Address 1234 NW 12 Avenue, city
D. Other Address, please specify
(may incur additional deliver fee)
E. I don't want this item

1. man's shoe, size 7, sports: please select: -738 quantity | 1 (image) 737 from XYZ Shoes MegaStore, Brand AAA, price \$39.99 (more descriptions...) quantity (image) 735 from FineShoes Store, Brand BBB, price \$50.49 (more descriptions...) Where do you want this item to be delivered? select one: \bigcirc B \bigcirc C \bigcirc D \bigcirc E \odot A

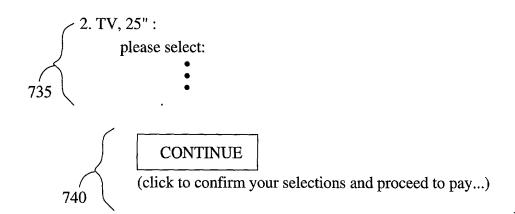


FIG. 8B

Summary:

You have ordered the following items:

To be delivered to cell 123:

1. man's shoes, size 7, brand AAA, from XYZ Shoes MegaStore, \$39.99

To be delivered to your home address xxxx:

2. 25" TV, Brand ABC, from store GreatBuy, \$208.99

Thank you for shopping with us. When confirmed, the ordered items will be delivered promptly. Those required to be delivered to Cell 123 will normally arrive in 15 minutes.

You have the following items unpurchased in your shopping list:

Item Description	Quantity	
book, "How to Invest"	1	
apple	1 pound	

click here to add remaining items

Confirm Orders

(click to confirm your orders and proceed to pay...)

FIG. 8C

750

755

We had had by the bar the

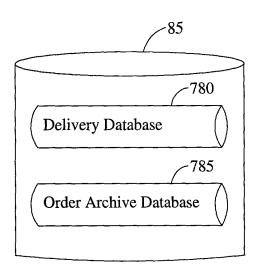
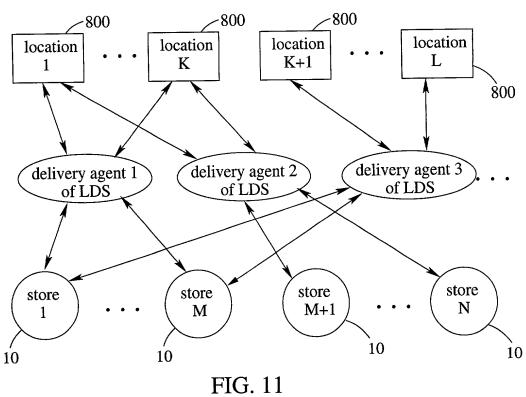


FIG. 9

Delivery Database
780
Customer Deli

Delivery.	Order Date	Item Code	Item	Store	Customer	Delivery
Sequence	and Time	item code	Description	Store	Customer	Instruction
000012346	Apr 13, 2000 13:01:00	D1235647	man's shoe, size 7, Brand AAA	XYZ Shoes	John Smith ID:0018245	from store to Cell 123, ESH
000012347	Apr 13, 2000 13:01:02	F4972736	electronic organizer, Brand BBB	Electronic City	Mary King	returned order; from Cell 124 to store
000012348	Apr 13, 2000 13:01:05	B4678934	25" TV, Brand ABC	GreatBuy	John Smith	from store to address
•••	•••	•••	•••	•••	•••	•••

FIG. 10



Store	Location	Delivery Agent	
× 805	810	815	
S ₁	L ₁	D ₁	
:	:	D ₁	802
S ₁	L _K	:	
S ₁	L _{K+1}	D ₃	
•	:	:	
$S_{\mathbf{M}}$	L ₁	D ₁	
:	:	:	
S _{M+1}	L ₁	D ₂	
:	:	:	

FIG. 12

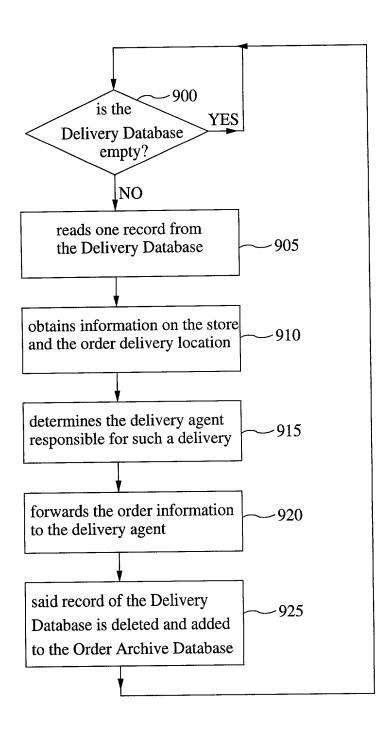


FIG. 13

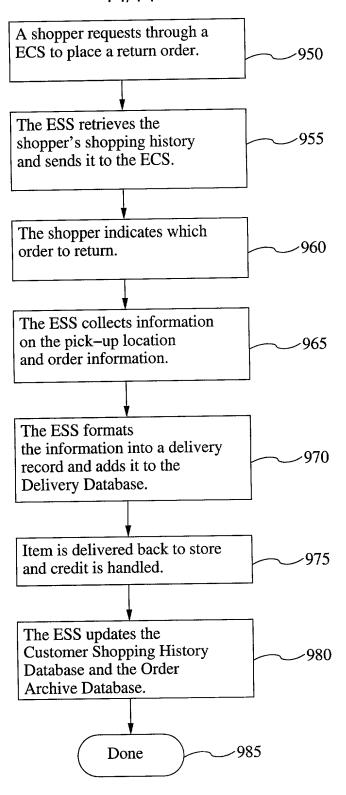


FIG. 14